AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. **(Canceled)**

2. **(Canceled)**

3. **(Canceled)**

4. **(Canceled)**

5. **(Canceled)**

6. **(Canceled)**

7. **(Canceled)**

8. **(Canceled)**

9. **(Canceled)**

10. **(Canceled)**

11. **(Canceled)**

12. **(Canceled)**

13. **(Original)** An optical system for propagating transmission and reception of

optical data along dual optical cables, the system comprising:

a first bi-directional communications module, comprising:

a first bi-directional transceiver, the first bi-directional transceiver comprising:

a first transmitter configured for transmitting data along a first wavelength channel; and

a first receiver configured for receiving data along a second wavelength channel; and

a second bi-directional transceiver, the second bi-directional transceiver comprising:

a second transmitter configured for transmitting data along the second wavelength channel;

a second receiver configured for receiving data along the first wavelength channel; and

a second bi-directional communications module, comprising:

a third bi-directional transceiver, the third bi-directional transceiver comprising:

a third transmitter configured for transmitting data along a first wavelength channel; and

a third receiver configured for receiving data along a second wavelength channel; and

a fourth bi-directional transceiver, the fourth bi-directional transceiver comprising:

a fourth transmitter configured for transmitting data along the second wavelength channel;

a fourth receiver configured for receiving data along the first wavelength channel; and

a first optical fiber in optical communication with each of the first transceiver and the fourth transceiver; and

a second optical fiber in optical communication with each of the second transceiver and the third transceiver.

14. **(Original)** The optical system set forth in claim 13, wherein:

the first bi-directional transceiver further comprises a first beam splitter for reflecting only one of the first or second wavelength channels while permitting passage therethrough of the non-reflected wavelength channel; and

the second bi-directional transceiver further comprises a second beam splitter for reflecting only one of the first or second wavelength channels while permitting passage therethrough of the non-reflected wavelength channel.

15. **(Original)** A method for propagating transmission and reception of optical data along dual optical cables, comprising:

at a first optical module, transmitting a first optical signal over a first wavelength channel down a first optical fiber in a first direction and transmitting a second optical signal over a second wavelength channel down a second optical fiber in the first direction; and

at a second optical module, transmitting a third optical signal over the second wavelength channel down the first optical fiber in a second direction and transmitting a fourth optical signal over the first wavelength channel down the second optical fiber in the second direction.

16. **(Original)** The method set forth in claim 15, wherein the first optical module and the second optical module are each compatible with small form factor pluggable (SFP) standards.

17. **(Original)** The method set forth in claim 15, wherein the first wavelength channel and the second wavelength channel are of sufficiently different wavelengths to prevent receivers in each optical module from experiencing optical crosstalk due to internal reflection from the outgoing optical signals.

18. **(Canceled)**

19. **(Canceled)**

20. **(Canceled)**

21. **(Canceled)**

22. **(Canceled)**

23. **(Canceled)**

24. **(New)** An optical system according to claim 13, each bi-directional transceiver comprising a beam splitter for reflecting only one of a first or second wavelength channels while permitting passage therethrough of the non-reflected wavelength channel.

25. **(New)** An optical system according to claim 13, wherein each bi-directional transceiver is compatible with small form factor pluggable (SFP) standards.

26. **(New)** An optical system according to claim 13, wherein each transmitter comprises a laser selected from the group consisting of a distributed feedback laser and a Fabry Perot laser.

27. **(New)** An optical system according to claim 13, wherein the first wavelength channel and the second wavelength channel are of sufficiently different wavelengths to prevent the receivers from experiencing optical crosstalk due to internal reflection from the outgoing optical signals.

28. **(New)** An optical system according to claim 13, wherein each transmitter comprises a laser selected from the group consisting of a distributed feedback laser and a Fabry Perot laser.

29. **(New)** An optical system according to claim 13 further comprising first and second duplex connectors that are configured to mate with connectors affixed to the first optical fiber and the second optical fiber

30. **(New)** The method set forth in claim 15, further comprising:

within the first optical module, reflecting only one of the first or second wavelength channels while permitting passage therethrough of the non-reflected wavelength channel; and

within the second optical module, reflecting only one of the first or second wavelength channels while permitting passage therethrough of the non-reflected wavelength channel.